



Oregon

Environmental Laboratory Accreditation Program

ORELAP Fields of Accreditation



Matrix Sciences International dba KTL
1320 E Spokane Street, Suite C
Pasco, WA 99301

ORELAP ID: 4084
EPA CODE: WA00060
Certificate: 4084 - 015

Issue Date: 7/5/2023 Expiration Date: 2/14/2024

As of 7/5/2023 this list supersedes all previous lists for this certificate number.

MATRIX	Reference	Code	Analyte	Revision	Rev. Date	Code	Description	
Drinking Water	EPA 200.5			4.2	10/1/2003	10213975	Determination of Trace Elements in Drinking Water by Axially Viewed ICP - AES	
		1015	Barium					
		1030	Cadmium					
		1040	Chromium					
		1055	Copper					
		1070	Iron					
		1075	Lead					
		1090	Manganese					
		1105	Nickel					
		1190	Zinc					
		EPA 200.7			4.4	1994	10013806	ICP - metals
			1910	Phosphorus, total				
		EPA 200.7			5	1998	10014003	ICP - metals
			1035	Calcium				
			1760	Hardness (calc.)				
			1085	Magnesium				
			1125	Potassium				
			1155	Sodium				
		SimPlate®				2000	60032602	Chromogenic/Fluorogenic Quantitative (SimPlate®): Heterotrophic Bacteria
			2555	Heterotrophic plate count				
		SM 2120 B			22nd Ed	2011	20039014	Color - Visual Comparison Method
			1605	Color				
		SM 2130 B			22nd Ed	2011	20042619	Turbidity - Nephelometric Method
			2055	Turbidity				
		SM 2320 B			22nd Ed	2011	20045414	Alkalinity by Titration
		1505	Alkalinity as CaCO3					
	SM 2510 B			22nd Ed	2011	20048413	Conductivity by Probe	
		1610	Conductivity					
	SM 2540 C			22nd Ed	2011	20050424	Total Dissolved Solids Dried at 180 deg C	
		1955	Residue-filterable (TDS)					
	SM 4500-CL E			22nd ED	2011	20080222	Chlorine (Residual) - Low-level Amperometric Titration Method	
		1575	Chloride					



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MATRIX	Reference	Code	Analyte	Revision	Rev. Date	Code	Description
Drinking Water	SM 4500-F C			22nd Ed	2011	20102210	Fluoride by Ion Selective Electrode
		1730	Fluoride				
	SM 4500-H+ B			22nd Ed	2011	20105015	pH Value - Electrometric Method
		1900	pH				
	SM 4500-NO ₃ ⁻ F			22nd ED	2011	20116410	Nitrogen (Nitrate) - Automated Cadmium Reduction Method
		1810	Nitrate as N				
		1820	Nitrate plus Nitrite as N				
		1840	Nitrite as N				
	SM 4500-SO ₄ ⁻ E			22nd ED	2011	20132836	Sulfate - Turbidimetric Method
		2000	Sulfate				
Non-Potable Water	SM 9223 B (Colilert-18)			22nd Ed	2004	20214419	Enzyme Substrate Coliform Test (Colilert-18)
		2525	Escherichia coli				
		2500	Total coliforms				
	EPA 200.7			5	1998	10014003	ICP - metals
		1010	Arsenic				
		1035	Calcium				
		1055	Copper				
		1760	Hardness (calc.)				
		1070	Iron				
		1075	Lead				
	1085	Magnesium					
	1090	Manganese					
	1105	Nickel					
	1910	Phosphorus, total					
	1125	Potassium					
	1155	Sodium					
	1190	Zinc					
	EPA 351.2			2	1993	10065404	Total Kjeldahl Nitrogen - Block Digest, Phenate
		1795	Total Kjeldahl Nitrogen (TKN)				
	SM 2130 B			22nd Ed	2011	20042619	Turbidity - Nephelometric Method
		2055	Turbidity				
	SM 2320 B			22nd Ed	2011	20045414	Alkalinity by Titration
		1505	Alkalinity as CaCO ₃				



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MATRIX	Reference	Code	Analyte	Revision	Rev. Date	Code	Description
Non-Potable Water	SM 2510 B			22nd Ed	2011	20048413	Conductivity by Probe
		1610	Conductivity				
	SM 2540 B			22nd ED	2011	20049212	Total Solids Dried at 103 - 105C
		1950	Residue-total				
	SM 2540 C			22nd Ed	2011	20050424	Total Dissolved Solids Dried at 180 deg C
		1955	Residue-filterable (TDS)				
	SM 2540 D			22nd ED	2011	20051018	Solids - Total Suspended Solids Dried at 103 - 105 deg C
		1960	Residue-nonfilterable (TSS)				
	SM 2540 E			22nd Ed	2011	20051665	Solids - Fixed and Volatile Solids Ignited at 550 deg C
		1725	Total, fixed, and volatile residue				
	SM 4500-CL E			22nd ED	2011	20080222	Chlorine (Residual) - Low-level Amperometric Titration Method
		1575	Chloride				
	SM 4500-F C			22nd Ed	2011	20102210	Fluoride by Ion Selective Electrode
		1730	Fluoride				
	SM 4500-H+ B			22nd Ed	2011	20105015	pH Value - Electrometric Method
		1900	pH				
	SM 4500-NH3 G			22nd ED	2011	20111211	Nitrogen (Ammonia) - Automated Phenate Method
		1515	Ammonia as N				
	SM 4500-NO3 ⁻ F			22nd ED	2011	20116410	Nitrogen (Nitrate) - Automated Cadmium Reduction Method
		1810	Nitrate as N				
		1820	Nitrate plus Nitrite as N				
	1840	Nitrite as N					
SM 4500-P E			22nd Ed	2011	20124010	Phosphorus - Ascorbic Acid Method	
	1870	Orthophosphate as P					
SM 4500-SO4 ⁻ E			22nd ED	2011	20132836	Sulfate - Turbidimetric Method	
	2000	Sulfate					
SM 5220 D			22nd ED	2011	20136612	Chemical Oxygen Demand by Closed Reflux and Colorimetric Determination	
	1565	Chemical oxygen demand					
SM 9223 B (Colilert-18 Quanti-Tray)-2004			22nd ED	2004	20213610	Enzyme Substrate Coliform Test (Colilert-18 Quanti-Tray)	
	2525	Escherichia coli					
	2530	Fecal coliforms					
	2500	Total coliforms					



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